

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/12029

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G02C5/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G02C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CA 2 321 318 A (SUNATORI GO SIMON) 2 April 2002 (2002-04-02) abstract; claims ----	1,3,5-9
X	US 3 264 678 A (PARMELEE ALFRED F) 9 August 1966 (1966-08-09) column 3, line 3 - line 20 ----	1,2,4
X	US 6 217 170 B1 (HSIAO YU-TENG) 17 April 2001 (2001-04-17) column 2, line 14 - line 34 ----	1
A	US 3 422 449 A (RINNMAN HARRY) 14 January 1969 (1969-01-14) column 1, line 20 -column 2, line 5 ----	2-9
X	US 3 422 449 A (RINNMAN HARRY) 14 January 1969 (1969-01-14) column 1, line 20 -column 2, line 5 ----	1
A	US 3 422 449 A (RINNMAN HARRY) 14 January 1969 (1969-01-14) column 1, line 20 -column 2, line 5 ----	2-9

Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
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- *P* document published prior to the International filing date but later than the priority date claimed

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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the International search	Date of mailing of the International search report
11 December 2003	19/12/2003
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer CALLEWAERT, H

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Information on patent family members

International Application No

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
CA 2321318	A	02-04-2002	CA	2321318 A1		02-04-2002
US 3264678	A	09-08-1966	NONE			
US 6217170	B1	17-04-2001	NONE			
US 3422449	A	14-01-1969	NONE			